

Abstract of the Disclosure

Methods and structures are described that enhance flow analysis for programs. Whereas previous methods are complicated by the presence of function pointers, the present methods present a framework that abstracts function pointers as if they were any other program expressions so as to allow a desired level of analytical decision within a desired duration of analysis. One aspect of the present invention includes inferring types from a program, forming a type graph from the types, and forming a flow graph from the type graph to inhibit imprecise paths so as to enhance context-sensitivity of flow analysis. The methods may be used in any analysis tools such as code browsers and slicing tools.

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